



# GX COOL MQL LUBE

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Revision date: 1/4/2024  
Supersedes version of: 9/22/2023  
Version: 1.2

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : GX COOL MQL LUBE  
UFI : R00X-A8AJ-M008-EV74  
Product code : C29428  
Type of product : Lubricant  
Product group : Trade product

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Industrial use  
Use of the substance/mixture : Use only as recommended on the product application sheet.

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

KYOCERA UNIMERCO Tooling A/S  
Drejervej 2  
DK 7451 Sunds  
Denmark  
T +45 97 14 14 11  
[www.kyocera-unimerco.dk](http://www.kyocera-unimerco.dk)

##### Manufacturer

Cimcool Industrial Products B.V. B.V.  
Schiedamsedijk 20  
NL 3134 KK Vlaardingem  
The Netherlands  
T + 31 (0)10 4600660

[SDS@DuBoisChemicals.com](mailto:SDS@DuBoisChemicals.com), [www.cimcool.com](http://www.cimcool.com)

E-mail address of competent person responsible for the SDS :

[SDS@DuBoisChemicals.com](mailto:SDS@DuBoisChemicals.com)

#### 1.4. Emergency telephone number

Emergency number : + 32 (0)14 58 45 45 (BIG, Belgium)  
Operating hours 24 hours / 24 hours, 7 days a week

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals

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Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### Adverse physicochemical, human health and environmental effects

Not applicable.

### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

No labelling applicable

### 2.3. Other hazards

Other hazards which do not result in classification : Spill area may be slippery. Do not allow material to contaminate ground water system.

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Polyethylene glycol	CAS-No.: 25322-69-4 EC-No.: 500-039-8	5 – 10	Acute Tox. 4 (Oral), H302 (ATE=1000 mg/kg bodyweight)
Poly(oxy-1,2-ethanediyl), a-[(9Z)-2-[(1-oxo-9-octadecen-1-yl)amino]ethyl]-w-hydroxy-	CAS-No.: 26027-37-2 EC-No.: 607-851-2 REACH-no: polymer	5 – 10	Eye Irrit. 2, H319
Hydrocarbons, C11-C13, iso-Alkanes, <2% aromatics	CAS-No.: 246538-78-3 REACH-no: 01-2119456810-40	1 – 5	Asp. Tox. 1, H304 EUH066

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Seek medical attention if ill effect develops.  
First-aid measures after inhalation : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

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First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Drink promptly large quantities of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: None under normal use.
Symptoms/effects after skin contact	: May cause slight irritation to the skin.
Symptoms/effects after eye contact	: May cause slight irritation.
Symptoms/effects after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Any fire extinguishing media may be used on nearby fires (water, powder, foam).
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: The product is not flammable.
Hazardous decomposition products in case of fire	: Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx).

### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Spill area may be slippery.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
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#### 6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
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### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.
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### 6.4. Reference to other sections

Section: 1. Emergency contact information. Section: 8. Personal protective equipment. Concerning disposal elimination after cleaning, see section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed	: Handle in accordance with good industrial hygiene and safety practice.
Precautions for safe handling	: Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Keep at temperatures between 5°C and 35°C in original container.
Incompatible products	: Strong bases. Strong acids.

#### 7.3. Specific end use(s)

Use only as recommended on the product application sheet.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

Hydrocarbons, C11-C13, iso-Alkanes, <2% aromatics (246538-78-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Hydrocarbons, C11-C13, iso-Alkanes, <2% aromatics (CEFIC-HSPA)	1200 mg/m <sup>3</sup>

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

###### Appropriate engineering controls:

Ensure good ventilation of the work station. Mist levels should comply with local regulations.

##### 8.2.2. Personal protection equipment

###### Personal protective equipment:

Avoid all unnecessary exposure.

###### 8.2.2.1. Eye and face protection

###### Eye protection:

Even though no specific eye irritation data are available, wear eye protection appropriate to conditions of use when handling this material

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Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses	Droplet, Mist formation		EN 166

### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing. Wash contaminated clothes

#### Hand protection:

In case of repeated or prolonged contact wear gloves. Consider the particular working conditions under which the gloves are being used.

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves, Reusable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.11		EN ISO 374

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Do not discharge into drains or the environment.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Green.
Odour	: Mild odor.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: < 0 °C (estimated value)
Boiling point	: ≥ 100 °C (estimated value)
Flammability	: Not flammable
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 100 °C Because of the presence of water, a flashpoint cannot be measured.
Auto-ignition temperature	: Not applicable (Contains : Water)
Decomposition temperature	: Not applicable
pH	: 8.6 [DIN 51369 (2013); 20°C]
Viscosity, kinematic	: Not determined
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: Not applicable
Vapour pressure	: ≤ 2.33 kPa (Literature data; water, 20°C)
Vapour pressure at 50°C	: Not available

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Density	: 1005 kg/m <sup>3</sup> [DIN 51757/7 (2011); 20°C]
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable (Mixture)
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Additional information : The above data are typical values and do not constitute a specification.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with (some) acids.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None reasonably foreseeable.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Incompatible with strong acids and oxidizing agents.

### 10.6. Hazardous decomposition products

None under normal use. See Section 5.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Polyethylene glycol (25322-69-4)	
LD50 oral rat	1000 – 2000 mg/kg
ATE CLP (oral)	1000 mg/kg bodyweight
Hydrocarbons, C11-C13, iso-Alkanes, <2% aromatics (246538-78-3)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	> 5000 mg/kg bodyweight Animal:
LD50 dermal rabbit	2200 – 2500 mg/kg bodyweight Animal: rabbit

Skin corrosion/irritation	: Not classified pH: 8.6 [DIN 51369 (2013); 20°C]
Additional information	: Based on available data, the classification criteria are not met

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Serious eye damage/irritation	: Not classified pH: 8.6 [DIN 51369 (2013); 20°C]
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### Hydrocarbons, C11-C13, iso-Alkanes, <2% aromatics (246538-78-3)

NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	> 10.4 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

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Viscosity, kinematic	Not determined
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## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available

### 11.2.2. Other information

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met
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## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### Polyethylene glycol (25322-69-4)

LC50 - Fish [1]	> 100 mg/l Pimephales promelas
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l
ErC50 algae	> 100 mg/l

### 12.2. Persistence and degradability

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Persistence and degradability	This product is not, or does not contain substances which are classified as PBT or vPvB.
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### Polyethylene glycol (25322-69-4)

Biodegradation	87 % OECD 301F
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### 12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	Not applicable
Bioaccumulative potential	Not established.

### Polyethylene glycol (25322-69-4)

Bioaccumulative potential	Ecological problems are not known or expected under normal use.
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### 12.4. Mobility in soil

#### Polyethylene glycol (25322-69-4)

Ecology - soil	Biodegradability in soil: no data available.
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: If pretreatment is needed, chemical emulsion breaking or ultrafiltration may be used. For more information, see 'UKLA-PERA-Best-Practice-Guide-for-the-Disposal-of-Water-mix-Metalworking-Fluids.pdf' on <a href="http://www.ukla.org.uk/wp-content/uploads">www.ukla.org.uk/wp-content/uploads</a> .
Sewage disposal recommendations	: Do not empty into drains.
Product/Packaging disposal recommendations	: Recycle the material as far as possible. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Ecological information	: Avoid release to the environment.
European List of Waste (LoW, EC 2000/532)	: 12 01 09* - machining emulsions and solutions free of halogens This code is applicable for the product as supplied only. The conditions of use may affect the waste classification after use; see Decision 2000/532/EC and its amendments.

## SECTION 14: Transport information

In accordance with ADR / IMDG

ADR	IMDG
<b>14.1. UN number or ID number</b>	
Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>	
Not regulated	Not regulated



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ADR	IMDG
<b>14.3. Transport hazard class(es)</b>	
Not regulated	Not regulated
<b>14.4. Packing group</b>	
Not regulated	Not regulated
<b>14.5. Environmental hazards</b>	
Not regulated	Not regulated
No supplementary information available	

### 14.6. Special precautions for user

**Overland transport**

Not regulated

**Transport by sea**

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**15.1.1. EU-Regulations**

**REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

**REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

**REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

**PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

**POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

**Ozone Regulation (1005/2009)**

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

**Seveso Directive (Disaster Risk Reduction)**

Seveso Additional information : This product doesn't meet the Seveso Directive definition of dangerous substances and doesn't fall under one of the hazard categories

**Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

**Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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**15.1.2. National regulations**

No additional information available

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

**SECTION 16: Other information**

Indication of changes			
Section	Changed item	Change	Comments
1.1	Product identifier	Modified	

Abbreviations and acronyms:	
NOAEL	No-Observed Adverse Effect Level
ADR	Accord Dangereux Routier (European regulations concerning the international transport of dangerous goods by road)
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
NOAEC	No-Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

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Full text of H- and EUH-phrases:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH210	Safety data sheet available on request.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.

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Disclaimer:

The opinions expressed herein are those of competent persons within CIMCOOL® Industrial Products BV and of their suppliers. We believe that the information contained herein is current as of the print date mentioned in this Safety Data Sheet. This Safety Data Sheet was prepared and is to be used for this product only. If this product is used as a component in another product, the information in this Safety Data Sheet may not be applicable. Since the use of this information and of these opinions and the condition and use of the product are not within the control of CIMCOOL® Industrial Products BV, it is the user's obligation to determine the conditions of safe use of the product.